

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

ROSE PLANT NAMED

'POULCS014'

## SUMMARY OF THE INVENTION

### BOTANICAL CLASSIFICATION

*Rosa hybrida*

### VARIETY DENOMINATION

5 'POULcs014'

The present invention constitutes a new and distinct variety of garden rose plant of the floribunda class which originated from a controlled crossing between the female parent, an un-named seedling, and the male parent plant 'RUImired' Red Minimo, U.S. Patent 5,770, dated 22 July, dated 1986. The two parents were crossed during the summer of 1991 and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety is named 'POULcs014'.

The new variety may be distinguished from its female seed parent, an un-named seedling, by the following characteristic: The seed parent has light pink flowers, while 'Poulcs014' has white flowers.

20 The new variety may be distinguished from 'RUImired', the male pollen parent, by the following combination of characteristics:

1. While the pollen parent has red flowers, 'POULcs014' has white flowers.
- 25 2. While the pollen parent has 15 to 20

petals, 'POULcs014' has 50 to 55 petals.

3. While the pollen parent has no fragrance,  
'Poulcs014' has a moderate floral scent.

5 The objective of the hybridization of this rose  
variety was to create a new and distinct variety for  
garden use with unique qualities, such as:

1. Uniform and abundant white flowers;
2. Vigorous, but compact growth when  
propagated both as a budded rose and on  
10 its own roots;
3. Disease resistance.

This combination of qualities is not present in  
previously available commercial cultivars of this type,  
known to the inventors, and distinguish 'POULcs014' from  
15 all other varieties of which we are aware.

As part of their rose development program, L.  
Pernille Olesen and Mogens N. Olesen germinated the seeds  
from the aforementioned hybridization during winter of  
1991 and conducted evaluations on the resulting seedlings  
20 in a controlled environment in Fredensborg, Denmark.

'POULcs014' was selected in the spring 1992 by the  
inventors as a single plant from the progeny of the  
aforementioned hybridization.

Asexual reproduction of 'POULcs014' by traditional  
25 budding and rooted cuttings was first done by L. Pernille

and Mogens N. Olesen in their nursery in Fredensborg,  
Denmark in July, 1992. This initial and other subsequent  
asexual propagations conducted in controlled environments  
have demonstrated that the characteristics of 'POULcs014'  
5 are true to type and are transmitted from one generation  
to the next.

#### BRIEF DESCRIPTION OF THE DRAWING

10 The accompanying color illustration shows as true as  
is reasonably possible to obtain in color photographs of  
this type, the typical characteristics of the buds,  
flowers, leaves, and stems, of 'POULcs014'. Specifically  
illustrated in the drawing: SHEET 1:

15 Fig 1.1; Open flower, stem showing cluster of  
open flowers, branching, and the  
attachment of leaves, buds, and  
peduncles;

Fig 1.2; Flower bud closed, flower bud as  
20 sepals unfold, and partially open;

Fig 1.3; Flower petals, detached;

Fig 1.4; Sepals, receptacle, and peduncle;

Specifically illustrated in SHEET 2:

Fig 2.1; Juvenile stem with flower buds and  
25 leaves attached, exhibiting

anthocyanin,  
Fig 2.2; Juvenile leaves exhibiting  
anthocyanin;  
Fig 2.3; Mature leaf;  
5 Fig 2.4; Bare stem exhibiting thorns.

**DETAILED DESCRIPTION OF THE VARIETY**

The following is a description of 'POULcs014', as  
10 observed in its growth in a field nursery in Jackson  
County, Oregon. Observed plants are 3 years of age. Color  
references are made using the Royal Horticultural Society  
(London, England) Colour Chart, 1995, except where common  
terms of color are used.

15 For a comparison, several physical characteristics of  
the rose variety 'Poulen001', a rose variety from the same  
inventors described and illustrated in U.S. Plant Patent  
Application No. 10/264,508 dated 4 October, 2002, are  
compared to 'POULcs014' in Chart 1.

20 **CHART 1**

	'POULcs014'	'POULen001'
25 Color of outer petals, inner surface upon opening	Green-White Group 157B	Yellow-White Group 158D

Petalage	50 to 55 petals	65 to 70 petals
Bloom Diameter	63 mm	65 to 70 mm
Color of basal petal spot, upon opening	Yellow Group 4C	Green-Yellow Group 1D

5

10

#### FLOWER AND FLOWER BUD

**Blooming habit:** Continuous.

**Flower bud:**

15

**Size:** Upon opening, 26 mm in length  
from base of receptacle to end  
of bud. 15 mm diameter on  
average.

**Bud form:** Broad-based.

20

**Bud color:** As sepals unfold, petals are  
Yellow-Green Group 145D with  
intonations of Red Group 53C. At  
 $\frac{1}{4}$  opening petals  
are Yellow-Green Group 145D with  
intonations of Red Group 53C.

**Sepals:**

25

**Upper Surface:**

Color: Yellow-Green Group 144A.  
 Surface: Slightly pubescent.  
 Lower Surface:  
 Color: Yellow-Green Group 144A.  
 Texture: Scant stipitate glands.  
 Sepal Shape:  
 Sepal apex is cirrhose.  
 Base is flat at union with  
 receptacle.  
 Sepal Margin:  
 Margins have weak  
 foliaceous appendages on  
 three of the five sepals.  
 Size: 21 mm (l) x 7 mm (w).  
 Receptacle:  
 Surface Texture:  
 Smooth and glabrous.  
 Shape: Funnel shaped.  
 Size: 8 mm (h) x 7 mm (w).  
 Color: Yellow-Green Group 144A.  
 Peduncle:  
 Surface: Smooth.  
 Length: 30 to 55 mm.  
 Color: Yellow-Green Group 144B.  
 Anthocyanic pigments the

		color of Greyed-Red Group
		181C observed.
	Strength:	Strong.
5	Borne:	In clusters of 15 flower buds per stem.
	Flower bloom:	
	Fragrance:	Moderate floral scent.
10	Duration:	The blooms have a duration on the plant of approximately 10 to 14 days. After flowers have fully matured, petals fall cleanly away from plant.
15	Size:	Flower diameter is 63 mm when open. Flower depth is 28 mm on average.
20	Form:	General shape is a shallow cup.
		Shape of flower when viewed from the side:
		Upon opening, upper part: Flat.
		Upon opening, lower part: Concave.
25		Open flower, upper part: Flattened Convex.



Open flower, lower part: Concave.

Petalage: 50 to 55 petals with 11 petaloids.

**Color:**

5 Upon opening, petals:

Outermost petals:

Outer side: Green-White Group 157B.

Inner Side: Green-White Group 157B.

Innermost petals:

10 Outer side: Green-White Group 157B.

Inner Side: Green-White Group 157B.

Upon opening, basal petal spots:

Outermost petals: No distinctive coloration.

Innermost petals:

15 Outer side: Yellow Group 4C.

Inner Side: Yellow Group 4C.

After opening, petals:

Outermost petals:

Outer side: Green-White Group 157B.

20 Inner Side: Green-White Group 157B.

Innermost petals:

Outer side: Green-White Group 157B.

Inner Side: Green-White Group 157B.

After opening, :

25 Outermost petals: No distinctive coloration at

the petal base observed.

Innermost petals:

Outer Side: Yellow Group 4C.

Inner Side: Yellow Group 4C.

5

**General Tonality:** On open flower Green-White Group  
157B with intonations of Yellow  
Group 10C. No change in the  
general tonality at the end of  
the 10<sup>th</sup> day.

10

**Petals:**

Petal Reflex: Somewhat reflexed.

Margin: Entire and uniform. Medium  
undulations of margin observed.

15

Shape: Apex: Round.

Base: Acute.

Size: 28 mm (l) x 25 mm (w).

Texture: Smooth.

Thickness: Average.

20

Arrangement: Not Formal.

**Petaloids:**

Quantity: 10 to 15.

Color: Green-White Group 157B.

Size: 13 mm (l) x 10 mm (w).

25

Shape: Somewhat irregular. Acute at the

base. Rounded apex.

**Reproductive Organs:**

Pistils:

5                      Length:    9 mm.  
                         Quantity: 53 (actual count).

Pollen:

None observed.

Anthers:

10                    Size:        2 mm in length.  
                         Color:      Yellow-Orange Group 15A.  
                         Quantity: 109 (actual count).

Filaments:

                         Color:      Yellow Group 1B.  
15                    Length:    6 mm.

Stigmas:            Superior relative to the  
                         length of the filaments  
                         and the height of the  
                         anthers.

20                    Color:      Greyed-Yellow Group 160D.

Styles:

Color:      Yellow-Green Group 150D.

Hips:               None Observed in the field nursery in  
25                    Jackson County Oregon.

## PLANT

- 5           **Plant growth:** Moderate, upright to bushy. When grown as a budded field grown plant on *Rosa multiflora* understock, the average height of the plant is 60 to 100 cm and the average width is 60 to 100 cm.
- 10           **Stems:**
- Color:
- Young wood:       Yellow-Green Group 144A.
- Older wood:       Yellow-Green Group 144A.
- Surface Texture:
- 15            Young wood:       Smooth.
- Older wood:       Smooth.
- Thorns:**
- Incidence:       3 thorns per 10 cm of stem.
- Size:           Average length: 10 mm.
- 20            Color:           Yellow-Green Group 146C.
- Shape:           Concave.
- Plant foliage:** Normal number of leaflets on normal leaves in middle of the stem: 7 leaflets.
- 25



Length: 30 mm.

Above:

Color: Yellow-Green Group 144B.

Anthocyanin: Greyed-Red Group 181B.

5 Underneath:

Observations: Thorns observed.

Rachis:

Size: 60 mm.

Above:

10 Color: Yellow-Green Group 144B.

Underneath:

Observations: Thorns observed.

Leaflet:

15 Size: 40 mm (l) x 35 mm (w).

Edge: Serrated.

Texture: Smooth.

Shape: Generally ovate. Apex is mucronate. Base is

20 rounded.

Thickness: Thick.

Arrangement: Odd pinnate.

Venation: Reticulate.

Glossiness: Moderate glossy.

25

**Disease resistance:**

Above average resistance to mildew, rust, black spot, and *Botrytis* under normal growing conditions in Jackson County, Oregon.

5

**Cold Hardiness:**

The variety 'POULcs014' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.